



# Permethrin Insect Repellent Treatment of Battle Dress Uniforms

## Overview:

The Army has long maintained a strong interest in applying Permethrin insect repellent to Battle Dress Uniforms (BDUs) as an effective protection for the soldier against arthropod-borne diseases carried by mosquitoes, biting flies, fleas, ticks, biting bugs, mites, and lice, such as Lyme Disease and West Nile Disease. In addition these insects are potential carriers of biological warfare agents and the discomfort factor of high populations of biting insects has a strong influence on soldier morale.

At the request of the U.S. Army Medical Material Development Activity (Ft. Detrick, MD) and the Defense Supply Center (Philadelphia, PA) Natick Soldier Center was asked to develop practical method(s) of Permethrin application to BDUs. Two treatment methods were developed and recommended for adoption by the Armed Forces Pest Management Board:

- **Industrial Application:** The application method takes place in industrial plants where mass quantities of BDUs are treated simultaneously. The Industrial Application is the preferred and recommended method.
- **Individual Dynamic Absorption Application (IDAA) Kit:** This kit was designed for field application to individual BDUs by the soldier.

## Status:

The IDAA Kit is currently available through the Defense Supply Center (Richmond, VA) under NSN 6840-01-345-0237. Treatment for BDUs using the Industrial Application method is available through approved commercial contractors.

## Point of Contact:

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